

AMENDMENTS TO THE DRAWINGS

Regarding the indication that figures 7, 9, 11 and 13 should be designated as "Prior Art," Applicant submits that these figures show burnback profiles generated by the "present" invention as explicitly indicated not "Prior Art" as suggested. (See "BRIEF DESCRIPTION OF THE DRAWINGS," Pages 7, line 21-Page 9, line 7; and Page 23, line 11-12).

Regarding Figures 2A-2E, 3A, 3B, 4A, 4B, 5A, 5B, 6A and 6B, consistent with a teleconference with the Examiner, Applicant is providing substitute Figures 2, 3, 4, 5 and 6. These figures are flowcharts instead of the computer software code. Please note, accordingly, Applicant has amended the "BRIEF DESCRIPTION OF THE DRAWINGS" section consistent with the above changes.

REMARKS

Claims 1-15 are all the claims pending in the application. In response to the Office Action, Applicant indicates that Figures 7, 9, 11 and 13 relate to the "present" invention, and thus are not "Prior Art." However, Applicant has provided substitute Figures 2, 3, 4, 5 and 6 for Figures 2A-2E, 3A, 3B, 4A, 4B, 5A, 5B, 6A and 6B, consistent with the Examiner's suggestion via a teleconference.

Applicant also amended the specification to address minor inadvertent errors in the Abstract and the printing errors pertaining to equations 7, 8, 12, 13, 15 and an equation on page 19. Applicant further has amended claim 7 as well as made further amendments to the claims to address the 35 U.S.C. Section 112, first paragraph rejections. All amendments to the specification and claims have been made without adding any new matter.

I. 35 U.S.C. Section 112, First Paragraph Rejection

In response to the Office Action, Applicant, as indicated above, has amended claims 1, 4-8 and 10-15 consistent with the Examiner's comments. Applicant submits that changing "test firing temperature" to "input temperature" and modifying "user selected output temperature" should address the concerns raised in the Office Action.

In view of the foregoing, the Examiner is respectfully requested to reconsider and withdraw the rejection.

II. Formal Matters and Conclusions

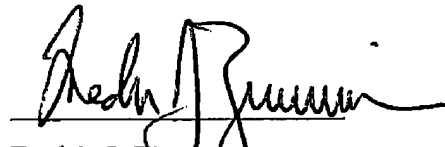
In view of the foregoing, Applicants submit that claims 1-15, all the claims presently pending in the application, are patentably distinct from the prior art of record and are in condition for allowance. The Examiner is respectfully requested to pass the above application to issue at the earliest possible time.

Should the Examiner find the application to be other than in condition for allowance, the Examiner is requested to contact the undersigned at the local telephone number listed below to discuss any other changes deemed necessary.

Please charge any deficiencies and credit any overpayment to Attorney's Deposit Account Number 50-1114.

Respectfully submitted,

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